Tri-Basin NRD Projected Average Annual **Recharge** by Township 2014-2063

Projected Annual Recharge (af)

Low: 3834

High: 12,900

N

0 5 10 20 Miles

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Figure 1: Average annual recharge, by township, within Tri-Basin Natural Resources District. Annual recharge data were calculated based on the 2018 Robust Review projected data for the COHYST model from 2014 to 2063. For this projected time period, the 2018 Robust Review assumed weather and climate consistent with historical records and repeated climate data from 1989-2013 twice to cover the 50-year projection time period, and land use was considered constant throughout this time period, beginning in 2013.

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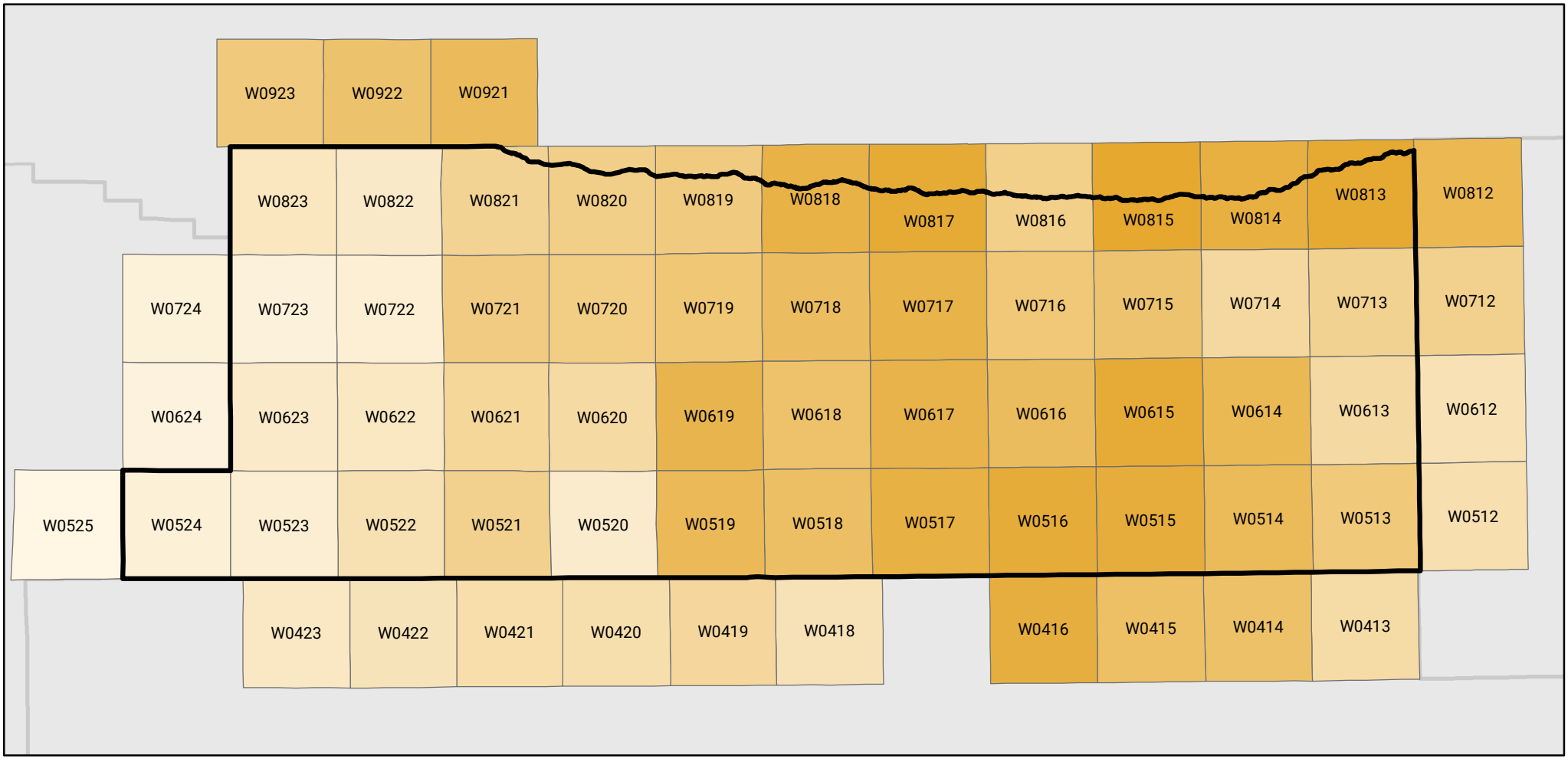
Tri-Basin NRD Projected Average Annual **Well Pumping** by Township 2014-2063



Projected Annual Well Pumping (af)

Low: 759

High: 17,237

N

0 5 10 20 Miles

NEBRASKA
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Figure 2: Average annual well pumping, by township, within Tri-Basin Natural Resources District. Annual well pumping data were calculated based on the 2018 Robust Review projected data for the COHYST model from 2014 to 2063. For this projected time period, the 2018 Robust Review assumed weather and climate consistent with historical records and repeated climate data from 1989-2013 twice to cover the 50-year projection time period, and land use was considered constant throughout this time period, beginning in 2013.

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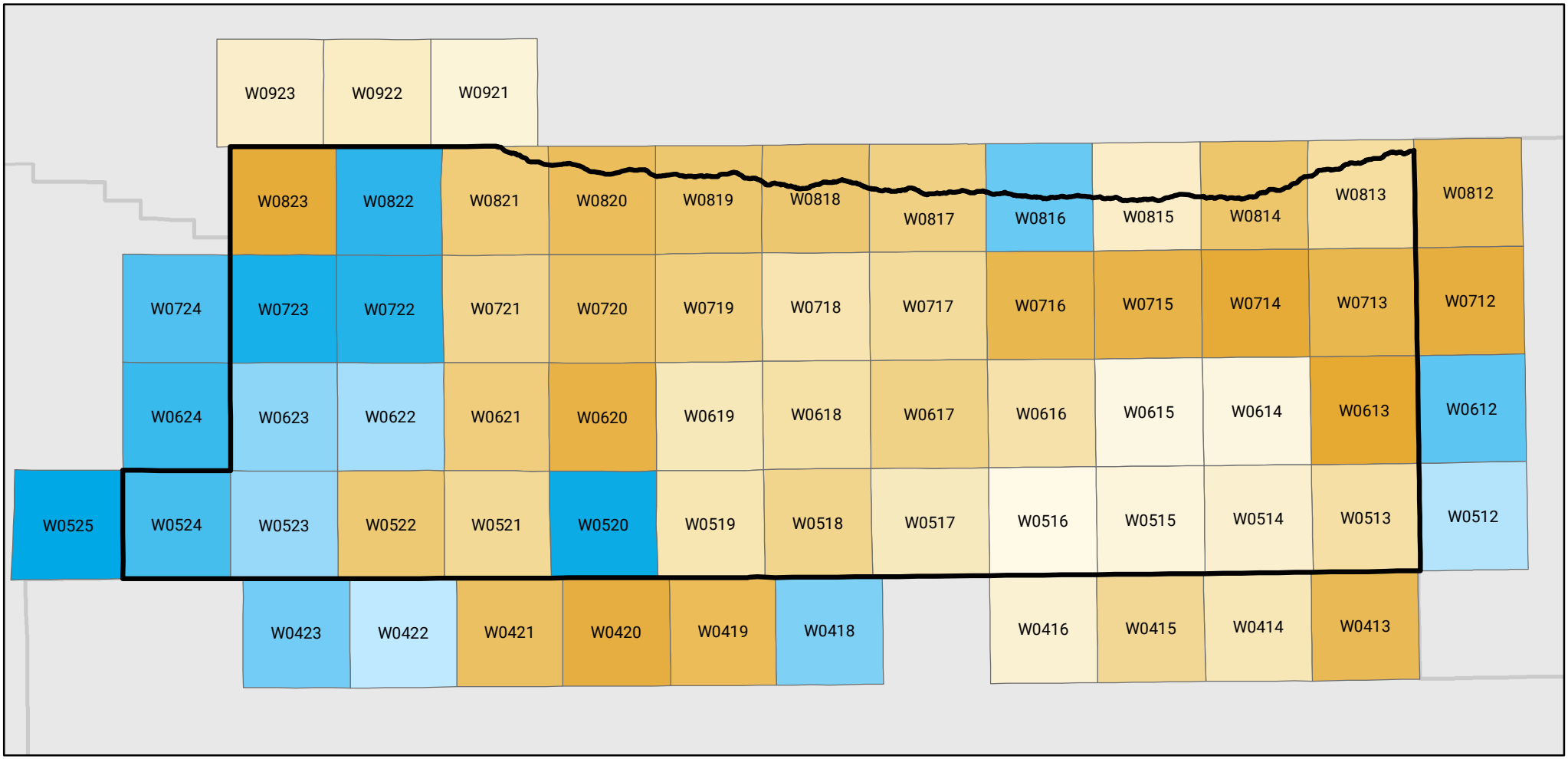
Tri-Basin NRD Projected Average Annual **Net Recharge** by Township 2014-2063



Projected Annual Net Recharge (af)

Low: -7643 | 0 | High: 3367

N

0 5 10 20 Miles

NEBRASKA

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Figure 3: Average annual net recharge, by township, within Tri-Basin Natural Resources District. Net recharge was calculated as recharge (Figure 1) minus pumping (Figure 2). Annual well pumping and recharge data were calculated based on the 2018 Robust Review projected data for the COHYST model from 2014 to 2063. For this projected time period, the 2018 Robust Review assumed weather and climate consistent with historical records and repeated climate data from 1989-2013 twice to cover the 50-year projection time period, and land use was considered constant throughout this time period, beginning in 2013.

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